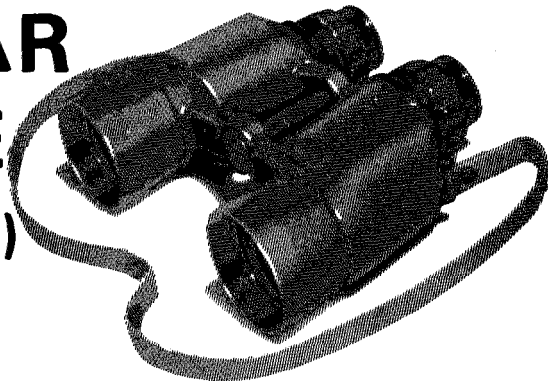


OPERATOR'S MANUAL

BINOCULAR

M19 W/E

(1240-00-930-3833)

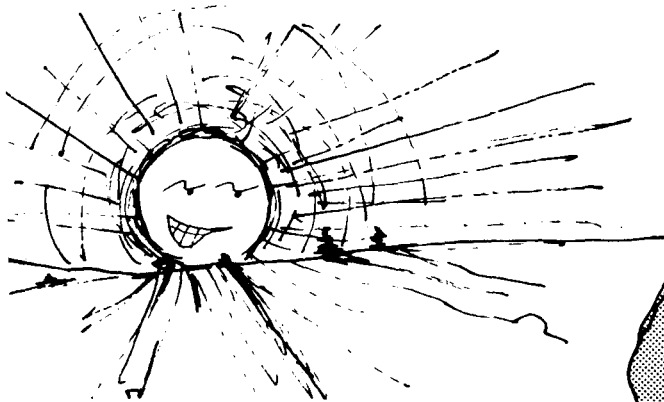


TM 9-1240-381-10

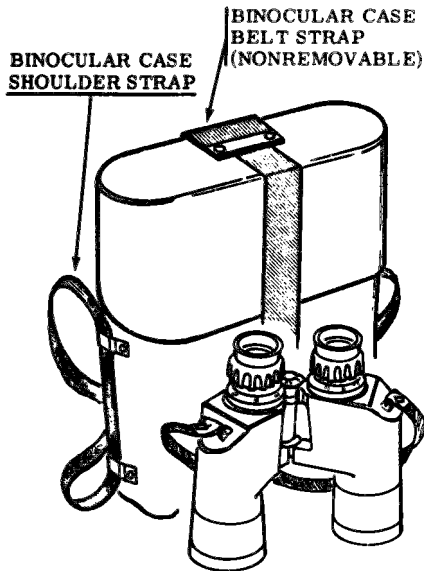
30 NOVEMBER 1977

WARNING

WHEN USING THE BINOCULAR, NEVER POINT IT DIRECTLY AT THE SUN. THE HEAT GENERATED BY THE FOCUSED RAYS OF THE SUN MAY CAUSE SERIOUS DAMAGE TO THE EYES AND TO THE OPTICAL ELEMENTS OF THE BINOCULAR.

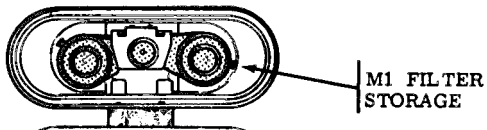


DESCRIPTION



Note

The M1 filter (NSN 1240-00-769-1956) is an auxiliary piece of equipment which can be attached to the binocular eyecups.

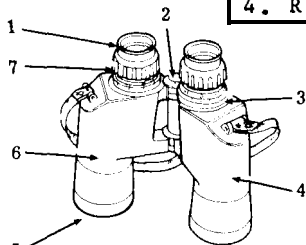


Binocular M19 is a lightweight, compact instrument intended for use in general field observation and fire detection. The left telescope of the binocular includes a horizontal and vertical reticle graduated in 10-mil increments.

The plastic carrying case provides protection for the binocular and is equipped with a belt strap and shoulder strap for easy portability. The binocular must be fully open and the objective assemblies facing up for insertion in the case.

DESCRIPTION (CONT'D)

- | | |
|--------------------------|-------------------------|
| 1. Eyepiece Assembly | 5. Objective Assembly |
| 2. Inter pupillary Scale | 6. L.H. Housing |
| 3. Diopter Scale | 7. Knurled Adapter Ring |
| 4. R.H. Housing | |



The binocular consists of two telescopes hinged at the center by an index pin and sleeve arrangement. Each telescope is comprised of an eyepiece assembly (1), a housing assembly (4 or 6) and an objective assembly (5). These assemblies are optically pre-aligned at the factory and must not be disassembled.

The friction necessary to maintain the proper interpupillary distance (distance between the eyes) is created by eleven rubber O-rings installed in the grooves of the index pin. Once this distance is set for your eye spacing, the reading on the scale (2) can be noted for future reference.

By rotating the knurled adapter ring (7) of the eyepiece, you can focus each telescope to accommodate your particular optical characteristics. The reading on each diopter scale (3) should then be noted for future reference.